

ABSTRSCT

A synchronization signal is used in a wireless time division duplex communication system. The time division duplex communication system uses time slots in repeating frames for communication. The synchronization signal is transmitted from a base station to identify a code group associated with the base station. The synchronization signal comprises a spreading code associated with a selected base station. Binary bits identifying a code group associated with the selected base station are modulated by said spreading code using binary phase shift keying.